Music Mountain væst & Teach 3 June mile1930 aa Storgeon north of the road is granite. alvont feet a quantité is sandstraction parally purple or purple straked the Cambian basal quartite Bright series of ty bical Bright lingel colosed with perhaps a last merre samuelstine layers and perhaps also lime. This shale grades upraid into Muay limesterie, which here attendes a thickness & 800-1000's Compared with the Grand Carryon the main difference noted, in general, was subbly shuchief . the welles are tellow sandy partcher, aither in the forthe granellas blotches or norm tubes, Some of Elden & B. C. except that the their (inegrear) are yellow and mit

music mt, (cont) here It is a little larger Than is usual for the M. C. type but atherise quite spirilar. Tribbite fragments (midentifiall) vocus in the lover muar as well as in the sandy layers of the underlying Bright angel of Devonian follows. L& Stoyanor has measured

East of Del Rio, aryona. Alle aa Soganore On the edge of the plateau at this Tolace the gamite is expersed, operation by a sometime like The takeats that which is succeeded by Devonion linestone. a little to the north of This frist Locality a thick series of the between the granite and the Derman saudstone.

algae in Chuar series. Mankowens. Lonest Simply crinitely hedding. Up to serveral Occurs above white, stringly croshedded Vase former coarse sol sandstone. Forms layer perhaps 10' thick over whose rounded marker He overlying shale is laid in sharp folds. In the lower part of the formation the individual colonies are small rather isregular rylin ders which sometimes bend nother sharply. These cylinders show the regular stryptoron structure and miden a little as they give. Taken to gether they form large masses that are described believe, be the upper part of the bed the small regliciters give may to large rounded theads. Both The rybinders and large heads combine to form luge vace-shaped masses. Usually the take is narrower that a regular flare would require Walcott makes a good chaving in his note book. Sample of the shnall

alga (Chuan) con. algase. Some appear to have been turned over by the naves. upper sones. That is usually altered to black chart. are indefinite and broken.

19 June Kaibal Frail.
1930 Core Porrer house. Tapeats Expical in character and

Nankoweap Creek, Lover Portion Troy canyon 24 may will 1930. above Culorado R. Beds telted toward river at about the same angle as the stream grade, in consequence the creek flows in the muar almost all justabore the box carryon on the west side the muar is faulted against the Tapeats - at Ix in a thin tapeata x muar pandy layer I gut foosils - Porypyge. Dr Stoyanow and I agreed, after considerable search that these are actually in the muan, which therefor proves conclusively that this formation is middle Countrian as we had previously deduced on theoretic grounds.

Recent Algal deposits in Mankoweap Campon. either above or below the mater level is comented. Below camp in side carryer a seep is depositing white spongy type inthe leaves and stones enclosed of Elserhere where water first issues tiga usually occurs.

anyona gyb Graud Cayos halest 1879

notice strata at stimment of Canboniferous, also character of bedding the outrapie. Chas Wales to U. S. Geological Luney.

ang 12" 7%. ascorded till directly west of Kancel at 200 feet (aremid) about the level of the stream for I amall a ille a fred pardetene and 25 feet of our it tryle remaine, but to cale enidently of two species, spent the afternoon search of for them. aug 13, Hills & more Sof Kanada. Brown doft shabe, crouble systemes replieg on lander colonies 90 feet 3 marine layer, set by furile Shale, to acharine traking its this shales from a 50 per 3. Marrie Dodish bran shale 30 feet

Lands Kane (3) 7 [ ] - 516 delitety arterial para sel the second some some mith of occasion of the no chilana much of to fin start and of tourfeductions 1/2 1/2/1/ Lean don 1/2 1/2 1/2 1 1-2- 20 put 90 au 11/ Thickness, This Allery is the Section Continues 6) and the state of the state of your health 1 12 / Ci// Cometh in the ware of the contract of lowe " eletery themeny with the the test of the ethine white me in the I - 1-10-10 College 7 Non-Milania Salama Calama de Cara de 0-6-7-8-1 - Marine Comment of the comment of t united to the second of the se me one office the other file or reliented were. For the second to the contract of the Ky cay --fragment 15 in drawit = 1 3 link ley year of the source Fre Shinning Congress all water or trollester port of the state of the state of the R & hefy (ready) winner 19 of Congression of the 1250 en the feeling of the many In esta to an a transmission of the ine tot here

the conglamenato grande since forward the we until is met with in the the you by this sear the pour demandation, The shorta are nearly works - bonde at (b). arce there is an aprophine + down the one was the way 125 feet 10 (bita). The line of the fault sould med accerted policement 2/ 60 sed/ 122 110-

Con of section (b) from page (2) north across the valley the strata one light coloned with (efect) overland by the redish browney sondstone, hunsed to eath sand tolcon possol the layers one from 25 y fort in thickness, total total to 18-5775 of stratum. 20 feet rock (shaly an detac type further marks. Began measurements with Locks buch at push appearance of transel mone Ducceeding this there is a mixed (decemperate, in long low football my south an 3set Cliff (Headland) mass of ma les ... I a conte and layer of soft white the deithw of hands canon, to the have of from sandsbare Eddel 70 feet, the cliff the state a confinct of state, dark finhlish from growing The sereceded by a mase ma, e un chick thank deconhosed of R. B. Rd, which is soft of casely dentegrated, homous their + formed law sounded , sot is a fortigs of shole trans hear it into layer of from 1 to one on the cliffs or else stretch out 6 feet in thrickness. Gotal 120 feet as a level places de the Locks leve 210 anerona 200+ an 5975 conglamente. The masks are varigated in color and cartain both modules & layers of newy He offer portrain of there we have thicken of reasoned 350 fe and manicompact + trucker. The The law 150, feet of the atoms He love I have token by the 210 are nothing but farsage beds to the airmellia Cliff as sandation et le lone de la E from the shriamb 9h.

fromt a bold excompress ! at the fair then are 3 light sandy layer with shaly (yet) It is also of unsual enteresting parting & them 6 feet of fin as to the perent time it has offeded one formit argellacons trandy brales Stran any other strathy toles they wany in colorfun head the fact about the Duranute Chargh mount to ned with conglammate. (25 feet. fillets of greens h adam, as massive light (coloned) from
layors,
50-fut) yet this fanten has hourt For bed is referated for a The cliff is again demoted sambat simila are about by bande of abagillacoun shale and their hede of sancistic . e. by a nan word of fri light colored sonditions This hed aranis in the at this found ment by the varyong from 2to 4 feet in threfreste sor atte bund segue st refsished) 25 feet This is succeed by hedded son ablances veryly from 2000 05 free! in thickness, The boid a from the address differ of red + dight-coloned slamed extended by the west with aashig france, the the others to a de the affecting sombling a stiffed nitton a the face of the real slandstone wall, de the marriet hate gs of some sock shata along thelon fregerity

an 914" (1) an 6175 ete, odettie tomings also Lection & buds ofme congline oto Levetrale is reach many 5 = wal Kanab. Did met quets weaver, None condition section by as there heaternedy obundant the che solk is, It as an a the out the cetic of or 40llowing a contituin Take 2 of Agend &. 9 min all of Kant ! hede of conglamenate or a fact take the buse of Offer Lothe sunt of the first the western chip termating in a governo total esco front. white capped cliff about The intervale returne the cliffs the second white some. extende his work out in a The level is the ne on whill suadow ralley ming robusty the series town in heart - I south of America is Sunt It make a readi, The regulated horizon tolerick. E Spirit . the flow fate of the grande the market water haled Acols and, y = musy so my 

(my 23 d) Cartination of section above the c. +, francing the rance He light group, copsof The sule on at the tope of the ghe, got when the character of the home a ledge of red why en surgeon den den den den en en about so feel thick It is a first. toty administrate line of who a tent better the West - the test beating in all the chips about Rand & may be seen son + white out during up the valley for two miles of the grah flaced for " & seis ..... where it distribute our q Tobodife the rive in the Ledoled pandinger / Waringer sel had of me only. The for your by a more for the file of people grants and the section is taken who, two miles whiteh is plusting of the afore Karob, just al mil the exist yell. Judgest Hill 10 10 15 stary the other he and alteri and when all homes all E hea little & af week (soil ether - y the day has at from the the diff 1.759 N2 tuft\_ pa---about the work 180 like don't with a alist Sp. real pardut - cuit + that I down realist the way the second 20 fee /dimension street -/ 20 feet Area des comen de de don de la come water a fine to the time to the the him was a series of with account of the declarate and 

injulant, intercalated 3 profest. a, out of the make coff at the who is a first the same the mount of the thought conconsider, a light A server Warmer Director to the Latter of out the latter 2 (easily duintegrated) Promise and the second of the tractions of an exercise of a Section 1 6-----aor La Caralle The white sandetone is Hewided with, and principal beds by estangental Equal Edition of the second of partings of monundualed shaly sundstone, who alsefundo And the second of the second o the crossfielded massin Remarks to the state of the sta layers. He latty one not of uniform theckness at all places, verying from light of the second of the sec 30 560 feet but the dinse ins and readily seen an all mind cliffs. 126 /21/2 trade a colo

Han from this henrion. Tracing the red hed in the Continuation of section man comman talso in many obone red hed ang 28" 79 of the laboral conone it is seen He sed hed is accorded by son to be a uniformly hedded deposit during deposite a layer of a number of thick layers alternate with the chary fede intil towards fine graned red sod, usually streaked with white from the diffs above. The opper surface bede are industed + presenta of this strature premited the strong dark how colored tand fallowing as fect when exposed Squeath a defent stratum of at vote block it is en surface. homicatal) linght colored gray sportstone which is succeeded White Row on high buff by gurged & tweeted layers Duh red. I then by the crossbedded sandresult state of decorate time the two heds were closely thinky mited shawing that the white fishigh formed the red sand followed the red with out similationally time. Leds of the shinding of the hulf bed is, succeeded the Rand Hlattal carrie by a mass of heartifully bonder wanted ada, cross & muly hedded, It is uswally capled with a layor of calciforms eardoveret comes a great mess, strano! all the strongsping of redish tellighet cet ads of the course and the

Her filled who & lembed aff They extude to the viendion dolined, leds here att. to make may for the flow the White cliff. Theyou for the succeeding strate It is composed of seval Thickness of deals from Red three tands demoded by led to vembrai beds a base To take of White ad in Cliff 1100. horzatal surface lines refuncting ist it's bedown of from 25 to 100 feet. He beds are compared of The bolf, gray tredich brann money bedded layers of lager one litermy gled of loge 1/ to fin thekness, The Ilse deposited in megular them layer predomating bands, the dup ned tumbi doousinaly a thick laged bede fredamate torvards (4 to peffect occurs that it, is uneally the summer of the masses) 350 feet above the face red megular tof statte knowtal exter. at vanine places in the stata, usually near the summer of one of the consided bonds the layer Weath of the state of comed of timber, guing a granted & strotted appear The first examples and seen when jet afferred are thought the hollowe had

The 700 feet of strold crossing the intirals between the head-· waters of Kanab creek (springs below white cliffs) is c.b. sd. red, bramish red, vermele år with an occasional fillet of white. The opper partian mengepoints the white cliff set byarmegula line of centact tumas, the change is in the colonx The offen 400 feet is mostly If a vermelrantere t is a soft easily drawntegrolea ed. Home low forthells below the cliffs. the cliffs all freent a mual suface to the south and burge morses one separated as butte. above the ummet å bed, which is of smentpet fluctroting horzen the true lught many or white cliff town

massive light coloned devided with fine himseful himseful fine himseful fine himseful fine. crosstede \$75 feet.

Coffing sindstone of a sedial him heste a limited a contained fusile a limited for the state of white cliff hondstones.

Boff Sandatone etc drietly west of pick Cliffs. Marine Committee rate jaith clays a marle. an marke of sandstones hard the state of the s gratuig.

buff and 20" alternating bands of mont en the state of the s clay fure athering puper. lead the state of the s colon + white or light group) + Auff sandstone 180. at the hait found freale at water shells in a hed of light clay. 20 heavy hedded Boff ad/ Heavy heda of hoff ard. with fossile shells to 30. 

8. Light lager of de 4 60 f. marries sand buff 15. K. Doft fine sand with.

Solding fissile. 130 Heavy bedded bolf rob with occur in a calcafernizado marsine buff Red unth which decire in a some one fact y of flory. 25 -what moregular hed near the sum It of the mass and guhite sande with also again 150 an 60 feets In otone the clay hed beneath. Thickness to clay bed go the section from to the stand + fine Affed. Clay lead + conglin for the an a land Colon dontaris forstils. Janie 18 for the met Consider our fayer to fine see 8 in the shall difference the In massive buff sol · I percell and the son a margare bly layers outen alatofrunt, bog Vil seone 12 met at las acceptant comes, felicat a few el version de holoy Decidey dayers - will at

at the fore of the reales mentally in home conductions 15 to 25 but for course by + light to the worken in get in to \_\_ on 1. The one who es nothing pageds + alongs for time applies beared of about is a long distance. The days the dust mating for side sto, the Municipal Secret secure a dominal the day Ele I rend ach accorde erland elas weather to dempredo of ecc. water drawy blace to all. Beffer de thick bedduit What below. The continue - rein about a admin t Elight mondon clay multing to be a han 15 to es for 1 2 this 15 fat intrictions tighten to differ on the a La material de la companya della companya della companya de la companya della c Somila leaves tree untilla remediate solution moreta d'a l'épotément whole to a large togicales storogh the sundstand, leg es coult - les care care ne je take a 375 de alle n 375) Be Con the 500 for i level exame of the approximation Licha & Millianson malac i l'actività. the is it scarped made extractly full a mucacocking 250 for 1. Let beary fellowhen min my about dead - partily server ideles - come si

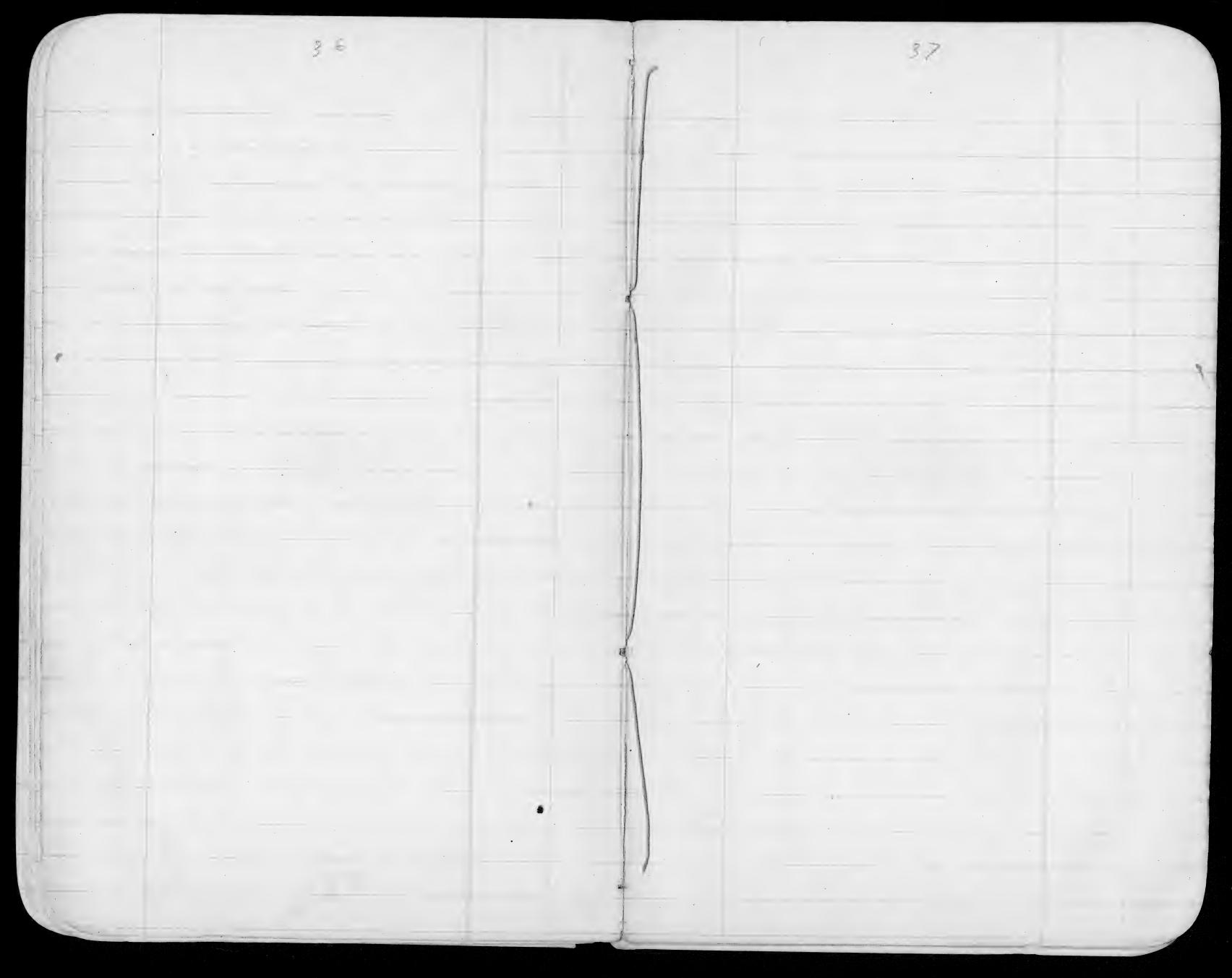
This is followed by a coarse The central portion is a sol gellow, iron stamed an soft yellow Id tim the Olangate astrea is so thickly namer for de t below white placed (mouth up) that the shells a legray, a few holles toych each in, in great masses one realties in the adough The discognation of the His hed is from 2 to 6 feet in thechuese of persistent as for obite sand blears als. asyst examed, Exaggra esca fruit blow whill was seen lower in they is from the all the bed but smax yor seem with hill side, It is the total the elangate former a cornore commighing of family seems in the staffort had, (Recollections). tre Clartinea decl. . He wife rounding alrales ( so feet) contains few stalls alme theas to be a little is a bed of delan a small species is non ela gette form + also squellhore hates gas big ode etc. 25 feet. the opposed hed yellowange a few the peare of 2000 fulled in places well I'm have whate a are the whole his to love shale the a soft white - 4s feet. / sometime.

Sink Valley Couch. Deft 1500 Section north of Classica. 7. a.m. 7550, a 9200. Buse of Cang Pite Emelini 46.9150. Bane of 6. danistare gragish, cal- ont Ingline at have 50 feet 500 e ,8875 175 Base d'éc. gellman from Light coloned and testa is alonety. E: 8575 - 275 + 25 = 300 Work Hill 8600. Top of hire, base of f. 1/2 mile 20uth 86257 a Buff ld, massime in layer Sincert strata, i bill next slight put go of monel. 175 east 8125. Fold Honey seif 250 700 250 880+ d. Massive half sol is full of her that he there had been been at the head of her her had allowed to so. c. Beff ad mitter Calcelance striction company facile. 10.

Sect III this to below detrect to I an disk Section north of Constitution. valley side. sept 15.1279, 0. Pite de estario. Of Phassen ad followed Mandature Graziah, colonet by clay etc. Alid not Pite by wash from limestices continue in pin vally tot In colonate at burs 50 feet. met 3 miles tast. Inclinated roundatione. yellman from Light coloned and the ad for which coloned clay somether. talso shally mount in longer with chigher partings of month. 175 d. marine buff ad 25 feet in dulaid by helphor to their led of while hele adouted in 1000. E. Bejs sed with Calcelines stolen congrey parts. 60.

it 191 a yellar sand Bolam this there is a encusing cutains on elingaleofun of massive bull ada with clay of actue as. Mum our phales fanting denoted by meathered t telan. Hayn afore elong in sloping outerols en-Hill ride to a massin a better and Abrat 25 feet thick Masser store start star which rest immediately ofone are half mile and tate a fine can glomerate 5vecma hed is went out. white pandatione, 300. fasjuls. It has the same lithological character hot a white much the will with along an outerob of 2 miles frie en gromen atte at 150 no fossels and seem. the base extends how to a heavy don't suff layer I marine half a and to a Below this there is a severin 1. O. of wandy luger of suff sols with a few. of aring with are a cours clay books the conven shalis & there to central portered is more mallaceon ticke with shaly & belowed white a remi Atamini come and detrio occurs. wyellarens shall millione to the Test of

Arte on stata ofmelal ealed I Red shall freaking wite ance the massive and time to coulan payments 10 feet of the astealed the is in the expressiones muth a bloodston The red of she contains am orgillaceur stigle with Rost andstone bill out as lengt of door hour shall on intercalated muss of and feet from the bank which Luc consisted red shale in a a netrans on state of extente mating of withining volumes and first sheets a festioning matter & The chall is holl male coops store to find and is embedded in the ite an adquillaceous whale econocion lava at all males homening it mener - well to and in any shape, the that I a Ack tout of more is tent fut thick endations 50 in places. "Lection below not taken. monly the same moreon in see is along the list on bed Compraraturely for family in The Kanol Canon. Examed your y are in the 2 in an another orderof. Rept of the section both the 27"1479. Milton ed to retable me a devoid of James out alight exaltion.



i din an east side of thickness I was autores of Dink valley, continued across 110 feet it knowers from a William of 1 foot to air The amountains for a grange line to inmobility mylying it share i Mosel more with Caglands W n K vally may be from es a tem food bank of light 2 gybon. White nearly soled lift randation and social layer - broken when peral their Bleanglane falloned Lage - all por the feet thick. a few yands away, a cuticle want as an the Kanab valles Markete 160 ande just helaw liber old places the elepta whome one also very variable. He coul Flann La Celefort. seems are not of all persulant 10 rand (all shale) and the aundatore vary wing much in teckness. Che an anade 746 men ( As I a a variable red. The White and steed a mule breath ord me The second mithfyellan, \. pendent & aufor alway 75 by the outerof. There my french of solden complemente of someplace all the multing the

1 modelic - - constructing the acide . I will after sin I music to the 215 feet of livestie Calgifor at and sandater in anyone from for to defection thechuse. Suppled and and resting on france arase - hadded light formy sed. 35.40 L. Stay layerfood 60 65 E Queloty bond tholy agedy layers 50 E. Crim coloned Lucitare with instead perpyson and and the programs 

from contamia veglatte sunded, rolled acudations ete formed alle piller a word, matte & meathing to a the another found of yellow went with and a we for Majer. sand followed by high ! Gylon of gylon with sofor & The state of the s - day bangel i. Land nedish much lifels in places . of relay the coal fund. Is with our auna of lean get Drat aardstare weather glamate on the poole white with a down angetta andreations, decuplined come about with a fund of conglamate, / 200. infrare legister coal, with shaly partie of, 4 feet thick. a en aceus. supsife me rescueded by, the comment mont cream oland. mans of partially contrased bonded with red + grewish + regetable matter. 25. Janenagens topolo Capped. I am the a valley in high it 325 Sond of sandstone & seems 1. The pand is sont a fultelland by memorane in theckness of holdes alay sand, don't within leaves eta. this is followed della ty a hund of clay, dock

Robberg will set. Roft new I massive partially only fuse of mere a disted don't buff sandstone telling your sobether home occur in the amy haded contractly for been hote as , I've where hand colcifione lagety laner is a deep yellow, The. in gulan obo f. top of hell comed with Contrani leaves elfa #5 volcanie matter. Shaley done from hortif gs do tot of ach 25 to with a their seam of cark. shale occur name of . 10 feet of bottom one about while harte in betylen. The of followed by a light advised thick layers of not sandetime \ Rolding miner me 1 famile 20 fect. Who the on. argillaceous strates. Hardway I fent examination of into layone of from 2 to 5 -I new 5 miles of outerste trickness, heather give an gular I on the best thank valles for grants. Containing shells There is have af scomaceous do 30 feet from semit of I layer of yolcanie matter this hed there is a new which follows the him of aval 3 feet thick & b feet of rest shall after ely helow another of feer; I holde some furnity as day shale leneather each. in sand below. The If must hoffwal and is accounted by a whole sandeton to think

fut: No sandy shale continues across the low flot between it & suth trouth side of the Between argulacions wast leading from how at shale with commetonich to lite valleys and is again Baculite etc. cto, mall Exoggram 80 token who in the first lille on alopes of they bills to the sunt. Concealed popularly, afterna 18 feet of drob polared shales It aremaceurs always gypreferous mand spllow eddy to. 150 Veet. (Extimates) is 475 fut of 200 90 feet of roft yellow Janly shale which lig cophed with handen sandstone at toh 10% for of door coloneday Macour Healed following at by 275 feet drote to is more forgellacens their of arenacento shale unth beturnions. He modules contain Significance Amore It-e ing the fassils vary from in to I vegetable mother the 2 feet in duanteli of menerally Places slightly, guppayfrom flatted. Hey occur com to 20 feet from the have ofor the appeal porth his changes. Chance in another stratus of on you forme untiles shall nochles of a none constantine with a door of ely character with hit fan ourtained tossils.

Porting Realism of Romen. Massing both Land wat hid. his valley side resting on white sand-- stine which passes dann a into anema cens clays etc. note A a. anote since Frof eard valley adde there is a doction Lut the Leventh the & Actimus que shale sandstone in the Intumores 3 fandotore shale. It was also pren in a rainfo on the transfe 4 Arenacens chale side about Pilon olachlace. 20 & Dakhitu shale hote on fr. The modules with 12 6 Chay Led same geological harm on the But valley ride. 1. Coul diam. Jalanse when expanded the weather today sollar the modeles higak the many prince and and ante. The profeserous pour y into fam. hamili 1 hagnest can the ground an many much kindle of the shale . how to and 160 -

Sigher your stranger of the White Cliffs on the 9 Respertance inst with of the house to Summer. 10 annicene clay 23 Links, much reclient. \* 11 chale 5 gray, very hand, he tile tongs und the have -. 12 Typochoche chay Contains forsile in the lown 1.5 13 Coal shaly langua. 14 ar + ary shale 45- 1 flandalow, Combilded gray topople, to when we the 15 Rd 10 districted francing define finds 147.5 mandatione to the sol, of the The couch a do to k. 12 13 y etc. d. C. phone dalenne, of section for the deliversie day / fully give may 5 while + the yell we ame. of token on the Karolivine, Lineath . Allen in motrede. The when Jewish as Witness and a many of the of that section and circular in the K2 contrains ence in allocations. 

Ink ned amartine to beautiful and about Ironic lagon allemating readily desirtymed - 40. with shale soft to tylending arms filling. dintegules souly for y a slooping gray trade touch city tales ofore the gray poli Marinio & duridos ad front py 120 j An in tracker proces no test 199 / ----300 I dight gray side 13) Red county defined a Rol - = Red Led (9 meder 125 A, Redded andaline varying in overous Surpg 16 shades of real + gray. gray we latter to The bague on a sed fond 320. migulas introlliers bee hy 15. and our dealing futings of lesse islucity be deted. 230. massine stration -du-ated ad. partially c. D. & This layer of our dating " allemaking until harde 1. h Light ud onlow of or gellacon about a totale pale teste to with theming layer of grang andstone

Hant. on & married tomments state giftifung. Danse frepliste, brown. alternation of sandstone grim though frien diange grate to forlayer + orgaliances -g have footballs. 650. shales holding fish remain ella Groy Cinglande 0-0 Bloome + andyring atales une the 30 Rodin home abale a Radiah ram ad can by dosintegrating refunded by fines. shale breaking the 30 Layer of from one to any feet in thekness 125 y partien o mals + shales with 13 10 touches of act. Light coloned John 3450 John 25 120 Radioh home at multi-The whole our a Notone 1310: 100 Red gyheshale

Outle with and of the James invitar holding cost of facile Kenedynster just farte. and also in the hour reach fill in the buestone will harrow Mine Comment The hunting shells. Gastoropode trache 6/ /te fore of the follows sohods and landlitmely. The anses to the east on de Red mail ge Infre hunting with by the office It is a formal industed gypsitator a comment in the comment of in the termination of the formation of K Red gyhsilmors sliske.

1. Smhle Line slat 1 25 13.

Smerth 1 25 13. 1. Le determination de la company in white mand 2 formula astitution (rec) I an west side is an hused of Fint gyte more thurtaltenating, Article as Butte a rest state

James lines ton The limestare caption the holding cost of finisele and also in the he we. low cliffs south of the Thurst constructe on the west and buestand will harrie of the throngs wash, from to dan shells. Gastoropude trach to To mestern manger of the , who de and landle hardy. cliff indicating a fold and Red mail Je Impre hurtons with inducted againstown fait as the the Shine aball benett, Conglanate. the general sich of the K Red gyhsilovor strake. I somple bushine state 1 25 13. Uned from forther cost & in white much a farmer and the stone is we or telow The col To be the west and of a-I ar wet side is compased of Furt unchas attahned web. gyt word thurtalter ating, the entire emitte à ave Adeid on Butter east state followe .

Conthe west side of the Kond wash just he was to he was the Carin, The hastone al the fore of the straint The mice to the text on de perith. outhying butter are not affective by the ofthe It is a loose eca distribuce The ac attendication distibution se but to alight to be determed as a left (S).

g h 1 1 1 1 X The water the flat much of the stands which the graph of the stands is froud and with the excepting ythe out in to the continue to it I varied suface by buttering of the Money Bong, editiont men charle metig - the land.

he famile occur in the when of page 54. rest on the moderal Listane, sandeline, anensoner surface of the red shas beneath, shale with gupann, lumited langer alteratory of gypsim & Was is well ahow in the sand & argillaceour shale. Infer settying butter on the cost ando of the work Douth of the cliffs. argelaceour hustine unter fasile replaced by gypran. O. action atte fresh acts, of / But shale the Kamab wasty token from the have of the Rhyamuch Chybria the opported for to the debouted It remies in thechous from 12 to so feet Contains ---of the outlying conglinerate formula, the wife former's as many for seek in most good a sendature holding hands Manch please. 1/ explosioned of the line of contact of the Conglinerate and shaly +1 mile N.N.W. the bustone is sandstape. not am I fort think but a The efeture aschai was thick bond of gustantiment carefully measured units are access places refour it new the true a few the expension of yours It & four red mark. + sandy large 7.00 6 thick hold lamelthous. stelle.

and mentical 105 the conglamate at the point where the section was taken is donk then usual and in fact is a way do so rest gray gupilian mail, colon for a mile on mand areinsterne, with bank of and along the expanse at the loved hears the water in ander ment the home 125 11 1 of section many places being arrows ful inhite sandstone c.b. Red armaceous gylosofrom the febbler me all agatied. mone, out landy bliste on the no forsil word was seen at indivated now the unit 320 the hart. Massemed 225 feet to the first of the formation thaty Randstone, dans 12 same. france fram y 20 feet fram It a aunit into a marine finite history holding friends of the em delane. Pilple musica+ much much occur in The that carbine cot st of section 135. Red gypinfores mul 15 (through). They may be with the 2 Work ned anemiceurs where with some of green. V-yl-7 1-- 2 17 7/1-

Pod galifer non with armacrans superline io duniero doste Shals beneath a few of the west with daw some your eardy lager morease git 108 no ot in thickness and holding farsile a togeded tellowert and tone with red mont expendes tristin are aufisitaring about a somewhat aimlon shall heredit 455 6 feet 37 and huistone tomeath. an an outtoury butte on 10 Christate coloned limitine the east side the entire containing cartof formely band or hustine the lowing strature him y frome and alive a few family let in thickness 25. fremed aprening 15 5 25 The last hed is forming Cread collowed hustone There are it restrainthe with ned frasile in enemer surface of the upper Jentoni. Small aufreiten, andeline land cont models while eleme eresin. Cram artimed about Section continued a wint 32 hauto c in pide. Imentar may o sellow wer much down

estimas discutived. 14 chuty hustone duti lange manses wenter Contain me forcile Production attyres 35 Section of the come wall. Basir peale at the first alkaling ships. Diester with red Jarrele 11. of Januar me potion. Hireline the smit of the Cliff at this hait to the massine denty buisting the shota are much both where imegular bedding, the freeneed sundature and the imagilar distribute of the chit. Manin ledde 1 de to Luilen

Bear of real way 495-1 Southern of Carlo Sulper Manager 5125 The rece bed 875 Re-12/ = until 1. Their family beck wheth Calantan not in Lymn interculated. cur a ctanatie Issilo colo. 65 75 the cliff Burath this the tede eargined to the noth 5973 as bustone notherendstore for of one 4/5 anemacan 250. hustone 200 july 125 hed a see 150 belowly ciff. gather out the 125showing to the gellow have don'the 1 mile. 6200 au moderated from a ends to a Cape the childrack from the edge a short distance. Michael Colone to a Che to terestine unither large probation of send 6425 + Jak Chart from marin redded chedr And tendent your

Chety listing their Jan Jan heds for y to Calafras cardrock and yellow 1 - The for sundature. Holds-65 characta & passibin Calapana the class. pentini. leda ecog as brist gypaum had with ben dans alternation of front to rock with andelse. luistane Cream colored builtone marine 6 poring day who a head . . . irenacional line time and to aurdstone ( 15) 85 diath 1 Randston jeter Lightan implicat gray, with cast offenis conty Cape the c c Productive etc edge a sh Che tit Sigly, colined ad with lange pro Colcepnas dages, BKits amenhat their Massel logers thanks nuss. masim stone touten your

Institute of Mannie 12. 6. wer basin revolatione 15 40 15 4 miles below. gray c.t. andelther 30 6, marrie hedded c. b. od. 315. with shaly private sond His is a vermable hed in Color. Jost after A makes it's appearance in the caron the whole structure is grown Portuly c.b. quet near to huff with deep red fortings ad 20 n 30 feet from g the manne hech of a unto well nedded are they lish here and again atomic 210 redish. fuir mely below Layer of gray sol follows the purple spreducer alis by emetat man et the smit sudth gray stool a select by helle red + bull helow. It is a shale ( eligh red) 250 great mass with net any reasened by farmet + regular durano in colon develocke lemed. Eur en alvativantin, New the ament a storate of le 4 a way a c.b. gray and show furties is itsas an och site City I'm earlated as one freality for a few bushed gands. This is also reheated at

at the central houtine of aun amme cib. strata once x & Puble ad putually o. b. samuelat cakcelorus. with is shally limetace at the tale 1 25 as a whole the graycolin freden wienen ot dament Manie de b. Luffcolored 3. d. 3. 4. 4. 155 Bon 158 the held followed by furfle and redish tues. alternating spenfile and redich holand sandstones. 9 Puple aandeline mar-Boule colong may be from to in same band on larger. an a fond of 20 feet mens be pupile + forther on nedsto. Lucture occurs in modules tolso in straly frontings unite fielde sandature the more massive less rong as to thether , The c.b. and 2. 4,
B- 150. gong c. b. sd. upherenface

Marithur 2. ng 66: the west side. as seen with a conful me as ment with Locale lamba Locks level gins of the massive Har houter here att the about had an the cast acide I whe ayben bed is somewhat shaly cost of the section or hage ale Her a few fut but ropidly posses gare 265 feet for the massive dun to the theken crea about the included about 15 feet of the lower themity bede calmed magnesian he watere. Du e se come sandstone on which were included in the the east side and the mura sheds below. The tomante as a whole is thicken by 80 gan 250 feet. At te on 3. hg 6%. better the same on the met non the after hating each a there are send touch. struly between annueune layer 2 to to in the ellness. Familian and shells over as an most ride. as the paint I put below there come cost aide the same lede . Loped hacting marrie, clarty is a a level with the best 100 alone on

Sand Kand Fara, wastands 17 Car 220-71. 3 miles from the Colorado. Commente colonars. Calciferar sandrock attobe and forse, hiff sandstone, between massine from tex sol 2 game tefenas, think heather black and sell 20 is stample or reclish has by 2, work from about 35 feet menin micadeans, ahale and proming of its colcularions grong and doot coloned buil. and rock and to mattle de gray brustone (hildula) - when, father preding aline & very hand, butthe heading into angular fragments. greene americano como como The group harding bounday micaceaux a hale (Tuenisa) matig occur at all think and their ownedwarmagers gray Amestare alternating med a mother interrighed, with the with menacens strate - the good bustines passing into mottled hierting in haryers of valyning Parrage beds to the mottled I item. I'm to a fort. Musely la cotre and with many an all from to Premied butolites hards an-andrews. He replace from + coralling mortings. Le when in the dinguistre,

This meacens and seems Freunch micacione chate of the semit the hours armale and a band is essentially a few Sayur of gray want refigher of the whole in - stone , harring of white bithological characters 5arenacions hiestare tollars the dance milotites harden of merceding 100. was observed in each, He conalline malthings add rection 1/2 mile on the defen in the law hold Colomado. De hy 74. chaiply, athy san to the This hand is a portion Sand Indicatio ren en Lugarla and Hyolether. of the donto growing and in 3 also in the a of (2) Carrie the Romandial who to the Randstoner. States at month of Bernandof of 91- is hooken who into send and during by breaking to bonds by shally part - 9,5. and so 1.50 + date the colonial again subdenided its 2. 11. 22 La Calcare -2 Thympine atomber and predder the same of the Lanto growth vises to the A.E. going of the white. appenhance 7. run stone the showt of the 1. transl Canen. Stouth mile 295 Low me - me 71 and it is so but about

the water and at the month. 1. The on the early side of the canon about smile of the Kennet come it homes hen the Colorado. Ocr 27" Reneath the water line. I half mile about the state 1. Gran (light) limestance, resting herealth handed chow to have - the moth ride dish 1525 - stone. a come full esauch the N. N. W. + and the south did not phone any frank ride of the rin, 125 150 /5 remand that could be to S.S. E. The higher stroler identified as such. 85 (Investment do not appea to hartake of the strong dip Constitue, frietle, don't is suple, with a few horeportrait 35 E. This hand of amodeline forms a shell which extinte all along the cliffs on each site of the commentaled to Colombe Comment about it fines - Rim the archer slift. Georal pushing on of stretter at love of Can your hundred me with a valle.

4. Infor historie, anena course in places, with mener of calcelan. Gray mattea or layer and collected with people and unfor - gray familes from the same. They on meather surfaces. nan a subcarboneperone the gray Kiestawagan aspect predant les autres 71 - My me Layers dann go fut the come 4 - was timegalar ranmare animacements afreations corneider with percessing 25 feet. 185 the hedding thomas a routly 5. Gray and in hour in of the mase. Fassie occur in atundance mean the to for soft and deline could entral for when hant. Below mare une seen, Below burestance (2) Sprina, Onthis, Shouete, Broduction sto unth many species of my yours vecien. The mottled langetime. Thickness of led 145. occup men the food of & the sporble motter is mother. ing out - relief.

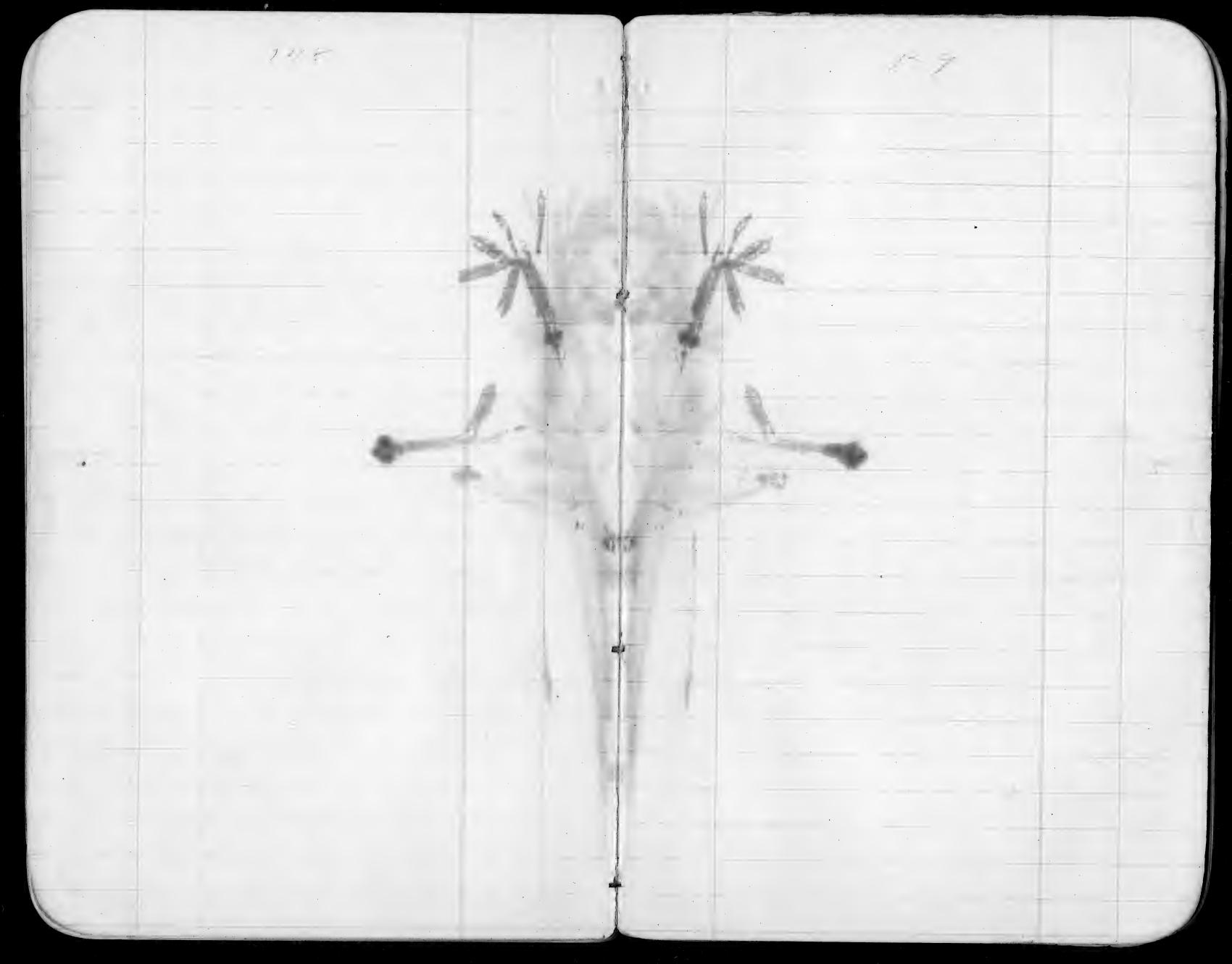
there sech Death the To meet the strain of the stra massing from anatare resout - series Jasop 2 the charten the shirt are imagulano Mean where the Landkand 2 + 31277. shigo usure angina I'm worming whater cannot The offer fontiai 250 notified wind clingly time Let was meanined builte Tocke of the eventure of the element. level. The remaining patient eta, promo to the primary with the fine t a chart die --times with the level. Encetone also hard and shaly timestone with finish chart and intercolated ane to tell in the tal naciones layand 255 Remanda the could be a The miles atome miles alimassive dight aros line -100 feet + 75 feet by foils limel. - stone with some endy = 100 feet. There one most as many family at the hours the aunt also at eou as below to the home tout but selow a toad of charty the total in line them Laners, intercalated unthe at previous acctivity of he the Unastane, 48%. · almos / light colone of dissils were found at variors · mathewater Hack homing but me ofmall we the work a storie

so that as the yourse of of Lynngopina decue i the fronte pardetail. great abuda et in the the fore, restored. the massing light gray anoth section of the in would decided hed was taken two males - free e proper boul furthe up the camon, all but 75 flet measured by land to see the things hing latter, by double theil 47? La Me the Chity feet was obtained well to mot persula for The off layer of the line. Me being about to the listone uniformed ratione. The trio upper bands one any menery headed Garage oblique to the stratiforming undulatings faction ocche de to Prestones of the Contoniforce 130/this megulant is win white the son

the rection was topen Partial Jealia. Head of Com the first bed particularings. in Lane Considerate, Four Honor Cana, arigert.
Gray lines to e with white cher pany of the party He highest medication red elentand, the of the landed lagor became anence - 1 - 1 - 1 - 1 - 1 - VILL burdly of It the Emsbedded, such - the total was ghorned stone 300 holy is 270 the highest general amonge is other 200 to 230 He tanden, with since Allow of this Land is many along the your te inter-enface of the buildite will care various of how of 286 ful towne the "fait chent To cal familting in Cop. son many production to the possessione whitebund bunglen and els totten some flaces thoughthere. The frefle Aardalone of our ivery so full in thelless when









RU7004/Walcot
Anzona Grand Canyon
Field Notes 1879
four 2 between Filts-9

S. E. Y. M. M. Y. down Love - 12 fe now for 100 for the Kapade Comme C. C. C. C. S. at the second April 2 Kolomation the form of the state of came in the war in I dille 421 1/2 / Lila and a pull comes to week 130ill w with arene g 11 & eventual the service the set of the second of the Base & April ... the feet at 1 - 2/2 - 2/2 - 2/2 200 / 1 2 58 x 1x, w, will en or entit is a set week to be a fine to - Athense Athe Note in the present for a find in the vier with it is vealing took . I to great the sure of the off each to the land . he e e l'ille l'exacte in May and the second of the seco 1 miles of decree in 1 = 5 = 2 / He 10/2 John was I was a repair on the North Dec described they are a second to the second to District of the second of the con il - Con a man of control of

(5 L) a section of the conservation of the the continue of that I'm so that I'm to the the things of the same acèle de 50 fort att y. A. dans to get a to the Mary reche to be for the hands who office the 0 + 8 x 2000 ( levy = - 1 / 2 - 1000) the live of a former of former tingle up the emile (Rucy anne) Feer 1 2) - Sell of collection for the son Load. (Recy armino) - 10 December 12 de la como de la along the comment (2) his against the all you in 4 - frante in out Aff by They of an in the selection Live rection of a mention Incoperate in the work of the herety west to a per A sim w 

154 On the summit of the life. in the rounde(y) 2 = s. w. of lile sold place Kanol (Uple) valley 8800 feet there is a cap of bapallie lava 300 feet thick. Of the mest the top of the Price/cliff history kan dinion is a the same level as the topol & slova, The strata diff Wont 21/2 much out apparent / Exw dela It is an the west sixtered to faithours from the Pink cliff whilet west of the devide at the worth End of the when Hapat Kalley. On the east the Cretagoone strain of the former can during cross from the Edition fault on I A - K thanks walleys of to the lange confor that leads of to the land bed. The strata preserve aurifum diffe afrightly mining to Depart Asouth mile it frances to cathe the land, Here a not.

15-621 Ostea hed hereath sondstone evidence of a monochual on top of hille Hir is, a Gold, To the houth the continue of the diff. tentrong alfala me for fre & strata neumed 1/2 min. dow. The conce of the presence solve 12 egra on Elec anethe Letting bedrun land confer hilly depling 1 10 0 N.W. x the astrea hed again On the next knowl south. occurs to the s. w. at a devil of boff and detend outrobe with 75 feet, below the other outerate. a dip of 100 20 x 8825 x 100 + diffy x, w, exact dip could not he deletered & nous of delint pasition of the far distance also occurs again une toling existed begand the form N.w. De Le at 8450, slote in s. s. + agail 8350 high held that it he ged to the whin Not affer Volcomo in valley dunsi and the pretaceous x The must the a fact east below Rilm. The ach . on is 300 N.W. He rock is fulled Kelmenthis for A & the Kondo mit the asked sicher. valley love from the a little south and 250 Qualities of lange hag now 5 of the cotion led and the feet laner. The peshed bedocens in position sundature unduling at diphing dr. w. 100. occur ar diffine lines. Think 75 x 2500 = 13 25 feet for 300 for deliver arthe

hill side towards the chalans. different levels on the & time hie there are conscribehomselfel foulto work the west aided the valley to the July Simer nauch forwards the Prink Class they. The strata or the the side of the hong bother comme fine separated by a still greate downthrow the Cretacear stipla die to to the west, in rather Iwould the W.E. rung to the S.W. The regard to cretarem state lose of the coal perfer somethe as hand of her alwated ... aufraforme montes is 7650. the land flow occurring an Whickness to artica bel, 1230. ton of the help formes tothe some of the disturbance Some astrealed experially of the failto and 530 = Loues a louist estitate, but - a lie author to volcano as the artica head + andrewative. Kelens, strata dip N.W. 100 & the The fant or fante comming lane Cretacous dr. t, there my from the Lever france is suidently an which on the ment adde of the known towards the volcowort the Lun welse Some where enth of the strata vesto cliff of appround muches 5 1 the foult. From the to want this the standy astria hed occurry of Vally Commer.

Moto din the line of the The easter, cot the Cong on the devide selman to many randotone rametices the Catacon of the willy and almorate I have att the from the tenting and Pix. Cliff American to the Cretations -1, 11. aplifte an aren acrows charge here atten the massing sandatas next the meater help over to the thing walling camous helme the astreached afferme observed in the Kont Camer white abiffs on it the comme is de a great natural growth There actomised by the preparede. France of sandstones + classey cost to the se suring withe fronting in great minerally as compound fruit the sol. West no observations we Token in the White cliff ar the next diversi conster, the bong valley canoncute of clays + mals aneracones Both passely disimble gratery of fairts in ator done claim. whater extend down to the red had an exale afone the forsils. His dinaria forming In our ded fells malle existing couldness to the myt much & hourd

163. 3: The graph and stone in it to Lands of Johnale thinking charge with coalingtimen. down to gypsiferous' charge atras I mans in 4. The epiphaixmas class to the provide himself France to white landatore.

665,166 16/2 ... Sontray strata west of one a endle shell was there of towns whift were side of ha the pardstone. The Pre-of ad Chery (applied) fossels yet observed in Cream Coloned has 1; 50/ the bushine, White hander 250 2 Prik (dank) Ad diffe more to the No 19 3 Crean coloned sol, White last s.w. 311 25 0 W 100 " Poremedard hat - formand the hold is it is Punk (reclish) I have to was themen to be now to consend the to Sadon 150 The man designed the second of bucceeding Well South the the state of the same of awhled with full sel, a distance was a few 1550 of port, of a some such as occurs fene att in a for set we aminimum be time clafts disting Annual to the law and the later of the later from Lames of of of the constable of the same of dendistribution and the state of t We will account the second to I fast to the S. W de This hill there is a hill of white reservice la la literatione Land win - in the same of the where the redultional 

in de semi Valley. Uphen Kanab . Head of Valley. the Pink Cliff run det & ac Rocke south + w of whift (P.C.) have not get examined on much the cretations suming in meanly a parallel Sep. 8"1879. line for along distance just west N: 45 of the South of the Pink coff while devide cining into suit the eardstanes herealth rise of valleyen the Fouth. The an angle of 280 for a mule Crelateous is il limite on mone the depart will in modthe occase the decide Elevation of Brick Cliff to replaced they the reduch Uplift 892+ fast. Stala benealt Congranate which were metani the same dip 280 v. as tun gunes way to the and has down through Pink cliff whift to the west the dentiaty por beneath of the trail our the devide. the Pix coffe to the while The creataceors rock com portraid the Cretareous! send south of the eng. The distance to the lowers Somewate & Rik cliff whift outerop in thovally to the Not the demide & musting do hail the heds are On the custoude of this the same apparently as whift denterally limitine ist of Romat valley many be seen besting against affer I & may he see the pandstero, welmed

at the hout The entuct at the same angle but a Ia fant an Rynamal is /shiden by sketches 1+ 2. short distance back it is reduced to 100 + som will the mest of Lanting assure the harry-tal Apples. The strata of the position E. + W. will a Lentraly ridge die 23 MW. slight dip to the north. to the wholes on the the N.W. More. faret existe For totte west was west I mile defe 5 N. Ex The filly west on a continued of change of the not determed at date of Candida Visit Cambridge 130 100 1000 unting seft 9"1879. Of the second se Elevation of Lenting hill west Huffen to the things the of anelaceous uplift 8500. fort pursue down the valle, lus/ of the solid of Et W section south of D.C. And the first the first the second of the se uplift. 1/2 miles. volley side. x.

172 Upper Kanab vally, West side 8250. B. at 2. P.M. Dept 8. 79. The Prise Cliffs facing wo s. w shaw a shight det to the N about 22. The Cretaceous strata to the west have the same dip & the astrona hed 16.00 feel from the semment of the seneiner of cretarelous beds is a morked feature of the landscorpenesting as it does, \$8,000. feet above tide enth the high Pin Cliffback fuet about tide. On the lift the beds of the Pick Cliff of the west side of the valley dip navar lengte of 280 restry against the cretaceous overs Me Cretareous account you me and the second second second

To the wave the wrifton dip to the north and consist of largher. beds (appointly Still cannot tell. Colini: white Calibed with redsh from, The glendale four may lift the Pin Cliff on defiers the white beds is The jedish teds ore dolpted with white herestone of miles west of Kanal valley & upper). His amin of the Rix cliff whiften the west side is 8925. 230 P. m. Defr 8/79% a little mest of Horoad our the democe lading dame to Kundo. valley the samus of redistricolored cariglan crate about 75 full is exposed alme to tolie. It is The mating is a nedislo hunda fre sond margellaceous malenal & has embedded

in it huguest of him . Refile many tothe sinder of elleral formation huristane & randolpino hecciolid the first rock francis Replaning to slake me over wh carren many in the to some h The hed would when to 9 for Viencescon + while cliffs te made frankte destino. Much engels, was occur. They wit the my dacares shalks. huestones + 200 He must one jude of crowdedded Barometer 8800. 4.0, m. all some and the second of and the Rept. 8. " 1877. Lih 52 N. in the water puch or stong would protect tof last Cretarors hill 9100. 4.30 P.m. demide frant the faint. will rome line Light outer --Stari of redish Chylanerale in all energia - by it was to 195 felles of row lexunt filling many the second of the hill than the signific guif of me oz. 8500. astrea head \$275 on hime of sect south of cong ≠ | Lass = Lass = Lass | Lass = Lass = Lass | Lass = Lass | Lass = Lass = Lass | Lass = Lass = Lass | Lass = Lass = Lass = Lass | Lass = Lass

The sandstones of the lower hatian of the crassbeddece eds of to w. c. the, one maily very famil when inpassed to the meather of on angle to the outer of the general aftermore of the lede a such that traffers that the the layers were trid down by be gette coment, such as a daily. welcal current and their heary strong coments, butal stonde level off the worth and formed a ment to flow fulled in the defracted. a layer of ward which is time warragan beniced benath the shifting sands which in turn in e buil off accomo ota, estales co. 

W a sock

\* Present hed of springs + slean of Kanal creek. Vermilion Coff a elehanit of sand etc., sunly ledded & shawing somes of material in the & redt light coloned layers cansed by the wash from the red and white heds above . High of tenaco 35. It a second terrace of wand extending to the west ar (c) the red sandrock has a graywh color probably owing to the when terme having rested against it. The love timese a rear be traced down the carior for two miles on more curduce of the when leware Us is seen but a short distance.

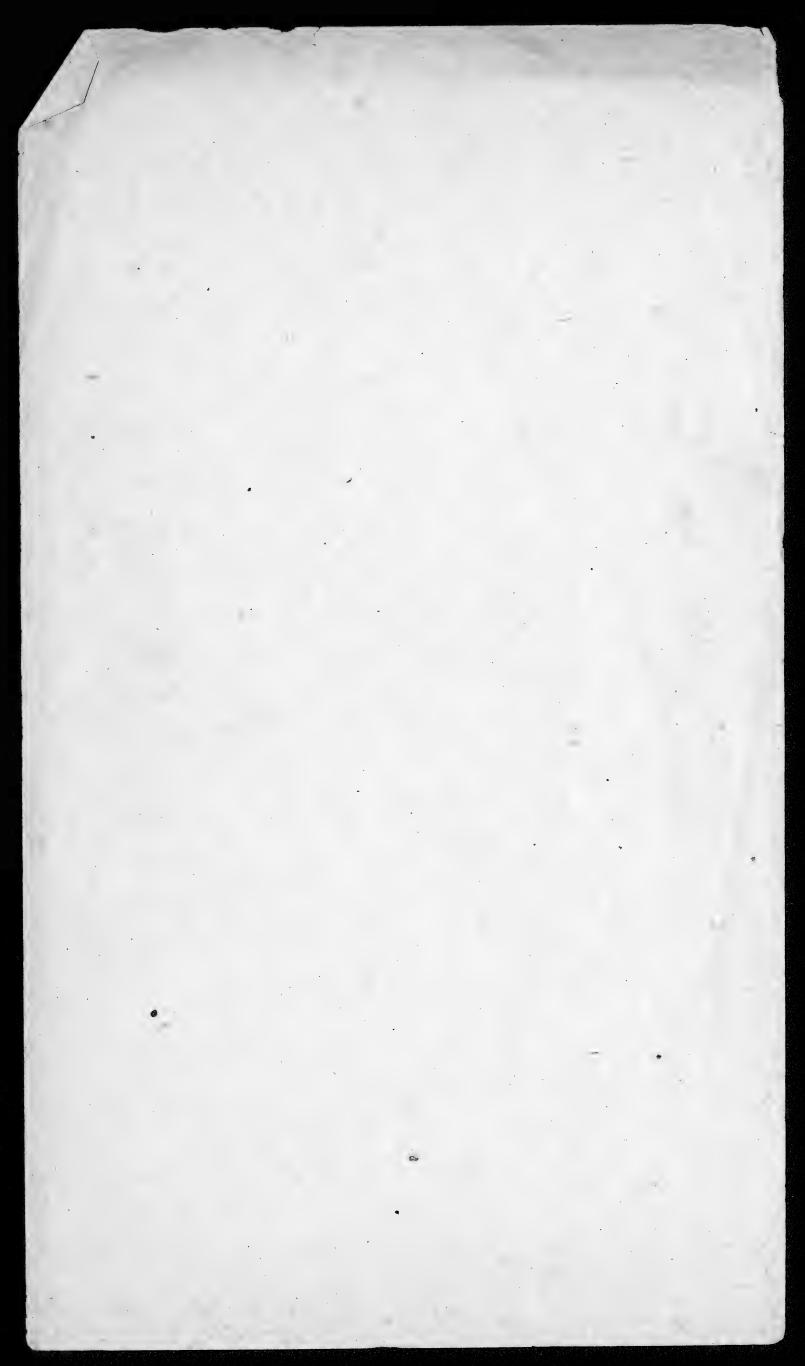
+ 176 the way of the well to porcer donner that old come to the reproducting I it on the much side of the himse con in not my edet entering the phone to devaid campail & flainfing for a long it where such the words duline on the east side! Cliff . ( Somit) is also stead to me Live the large flaw the 180 feet about the wester edge of the same came, the Carion has been worm much Larger on the west side must be arony to the face to + the land stands a black which crossis from the wall on the eastern riche Electer granded Cumars, Set, in curry funding like a 12 Dodger and Commen, on Blood great anothe davis the canon Chankston the whote Cliff with I selwing the old amarine. have a llight diff of the form the Karol Comman and from chamel for the stream this to common. / arete head of the the June of valley fairly to the hermand common, Lower attenne the volcanore demided the old valley wito two when shedr one having stanish at the month, of the House come in The white drum the o'the old drawings die In the west cultured these to your bed to enter the mani the love flowing points composition to other wearing men combine in stee what's and I muit more.

dose not phone as and Cx Ci. 11 (00) 12:10 wish artho

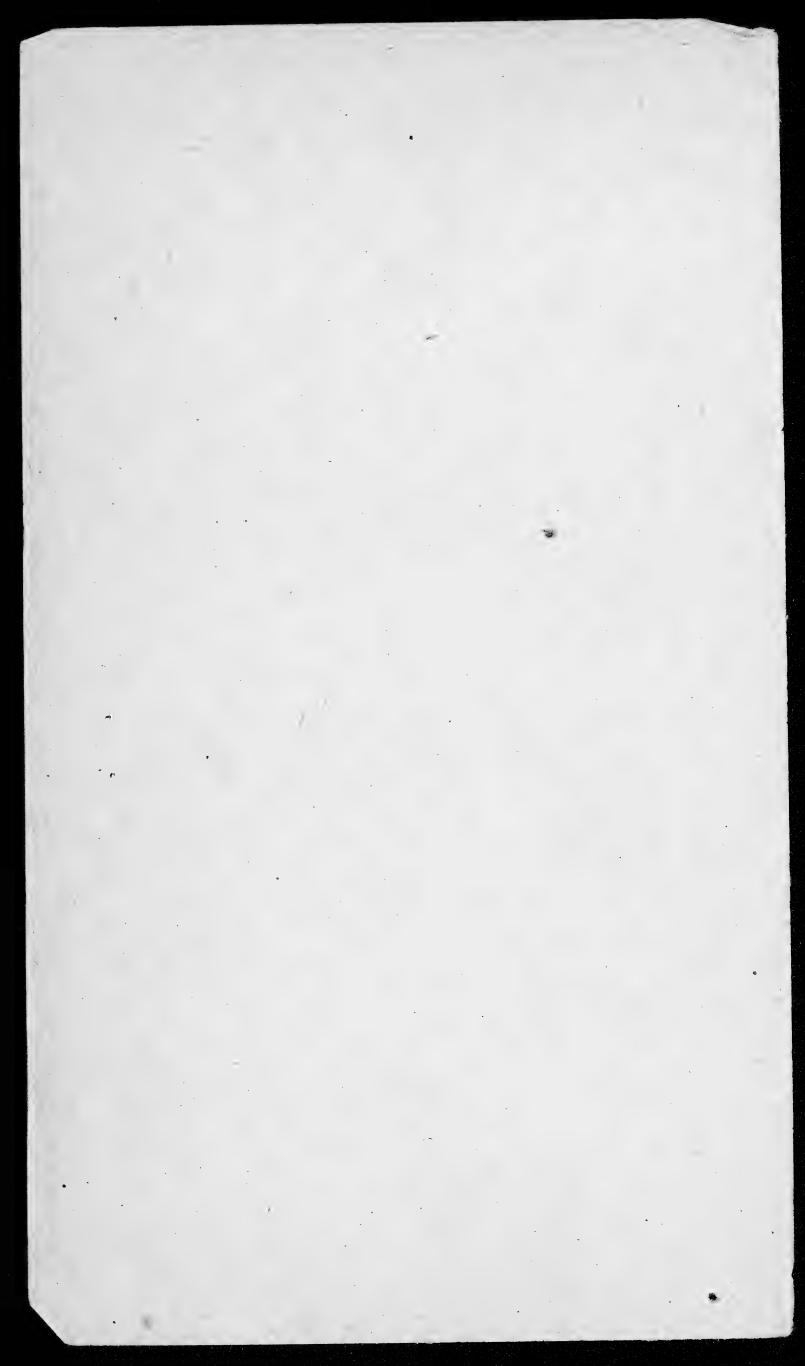
The red below the first when I when I a gain to the en octed for the little and have been the head of the head of the hide and wooden to the hide and wooden to the hide of the hide and wooden to the hide of the N ci. M. wo, 12 - 1 Pink beds is 2420 5 wish direction Roll Roll

Chronite billiance & P. C. etala diph you are the math side that the state of the s See ha 

Sunt of Claty Fund Kurst Comen utah, Oct 6" (1) bunce som thearment of the cliff west side 300 feet ofone the earan hed. The etrola of the when 150 feet one seen to be murily hedded and also comed none en less in Luis mot in relation to any definato Anieten but as the the bed when which they une deposited was onen. are dily south.



When Hered bedrakes 1/2 apterme estone and below the left hand an last Carron going dann the fault is my plaily see. He danthan is to the west and is on 100 fut, the strata bud towards it for the east and me toward the west slightly. 



the are 

East with a down bed. 0568 west and a red from hed 6925. · 5 / 5 / 6

Frem on to Person duy 7" 79 fluen 1st couch

Fremats pass. ang 6/79 South side, 5 miles who pass fun Bare of section light coloned Unicke hedded acurdature (2) with loyers of heced of? conglonerate intercalated about 60 feet. He conglarerate is garpared of troken, angulan, fragments of volcanie rockand langen rounded stones & some brulders of from 2 to 3 feet in diamely, The sandstone matrix is, of medin ha dress & where the broke store on more guies the appearance of a ted of me to withestine work. hem the sent the audatore is more of agollonish colon & is ungdealing oundard by a thick deposit of valcante over 1 1.30 pet brick. The is curduly

The medalide hed The entire carganer of te dras the appearance of drawing her deposited rapidly. The sandsone deling deposited and migled with the products of volcana erophas of the broken of rounded fragments of heds of land etc. Dip of even, sandstone tata 15? N. afore the soc hedded eardston layers the is, to soo feet of come con this reary he seem extending down the pass for ser al miles of the depris retained + the shike. I went the opposite till (wanty rections,

10 The Well N D S. F. S. 8 2 6 6 6 0 Section of the sectio 8000 Car gland a votamic hardente 0 29/2 5

at Pahranagat Loncolo Co. nevada De Newheny stated that theamerous well preserved silver as fossels occir. Principal South of Egan and also so miles pouth of fish spring Wahsatch range + Sierra nevada elealed at the close of the gurassie whele 1924. I slight charges as late us the come beltrany sect III = upper hout Separate section. Lest pg270 = Konab sect?.

Received from Mr Bookfish.

1. Chinometer.

1. Locks level.

1. Lope him so feet.

Record of specimene Vernile in Cliffs. 23 13/5833 Sull valley. 28 Conglanerate. Road be his Silvin 190. annularia (Shinarumh). Removed to the state of the sta Frish bed from toh- 250 Frish bede thoutings 100 to toh of show with 210. 8925 and 19". Bus car Baranete station thimamuh marlo 540. conglomerate of 350. ling 23.5 and at sumish of Cople & Strateghow 119-25-05-57/5- 10.0.m. 1 ar 2 v / 6 an elem 5 985 10,30 - 2 hope hill red shale 6 450 - 11 x 30 -ON 1 2 12 m 5850 2x1.m 1 .... Sac Lut 1/4/\* Chithen 1500

Record of specimene Vernile in Cliffs. 23 13 583 8 Switt valley . 28 Conglonerate... 1. The state of th and 19". Barept Barenete station. 5525 feet & 8 a.m. 4 p. m. in Lun 2 23. and at sum 68 of Coples dile to Technol 119-25-05-5775- 10.0.m. N 100 llon 5985 10,30 - 2 Chick hed.

